



Assessment of DCC and a Sacramento River Diversion at Hood

May 31, 2000



Delta Cross Channel and Vicinity



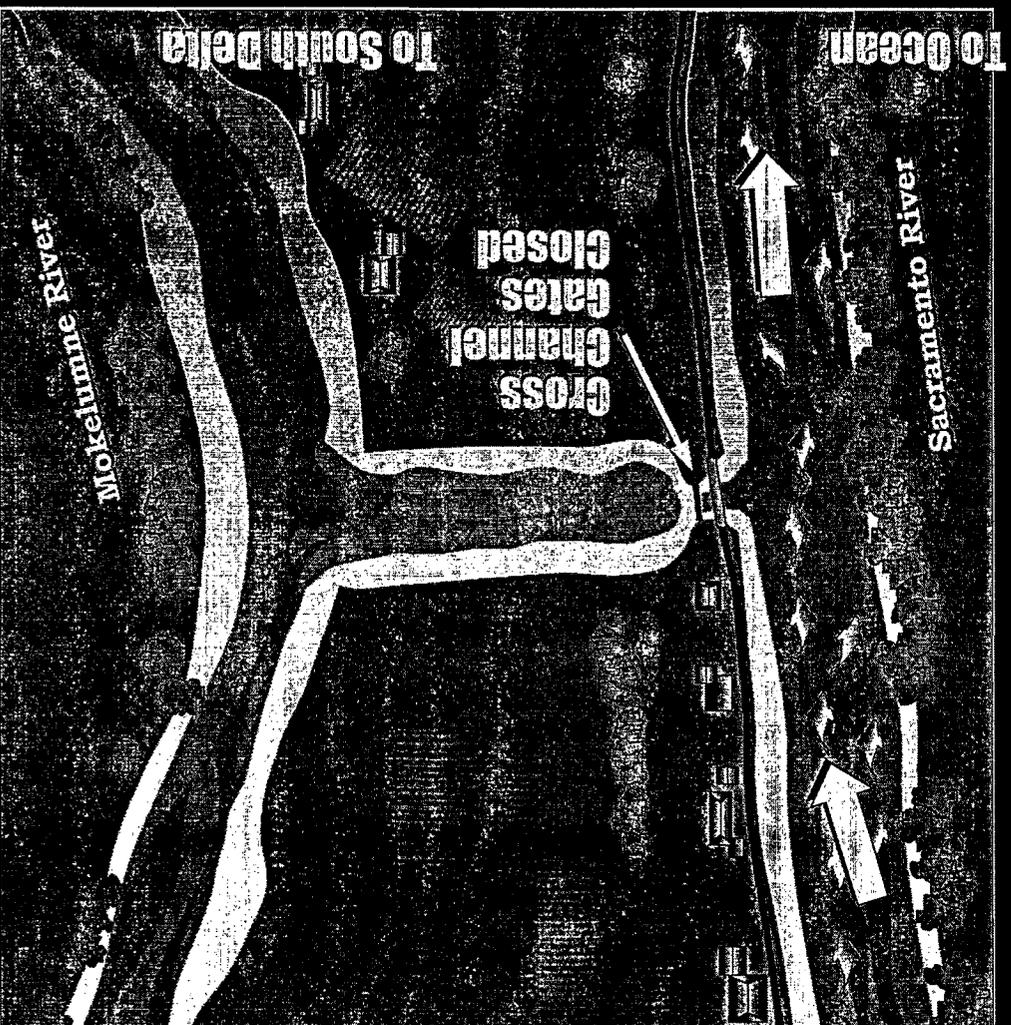
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Implementation North Delta Improvements

◆ When the DCC gates are closed to protect out-migrating salmon, there is a reduction in through-delta flow and a reduction in water quality and quantity at the South Delta diversions and export pumps





Implementation North Delta Improvements

◆ When the DCC gates are open to improve South Delta water quality and quantity, there is a negative impact on out-migrating Sacramento River salmon





PROCESS

- ◆ **Study and evaluate a screened diversion structure on the Sacramento River at Hood with a range of diversion capacities up to 4,000 cfs as a measure to improve drinking water quality in the event that the Water Quality Program measures do not result in continuous improvements toward CALFED drinking water goals.**

Hood diversion contingent on three assessments



- ◆ A thorough assessment of Delta Cross Channel operation strategies and confirmation of continued concern over water quality impacts from Delta Cross Channel operations.
- ◆ A thorough evaluation of the technical viability of a Hood diversion facility.
- ◆ Satisfactory resolution of the fisheries concerns about a diversion.



1. Evaluate and implement improved operational procedures for the DGC to address fishery and water quality concerns

- ◆ Develop specific plan for evaluation of DGC operational studies by October 2000
- ◆ Fund and begin studies through CALFED appropriations by October 2000
- ◆ Complete studies and make specific recommendations by the end of 2003.



2. Simultaneously evaluate a screened diversion facility on the Sacramento River at Hood up to 4000 cfs

- ◆ Develop specific study plan by October 2000
- ◆ Fund and begin studies through CALFED agency appropriations by October 2000
- ◆ Complete water quality and fish effects studies and development recommendations, taking into consideration the results of the DCC operational study and water quality measures, by the end of 2003
- ◆ Complete environmental review of recommended program. If fish protections conditions are met and facility is found to be necessary, begin implementation by the end of 2005



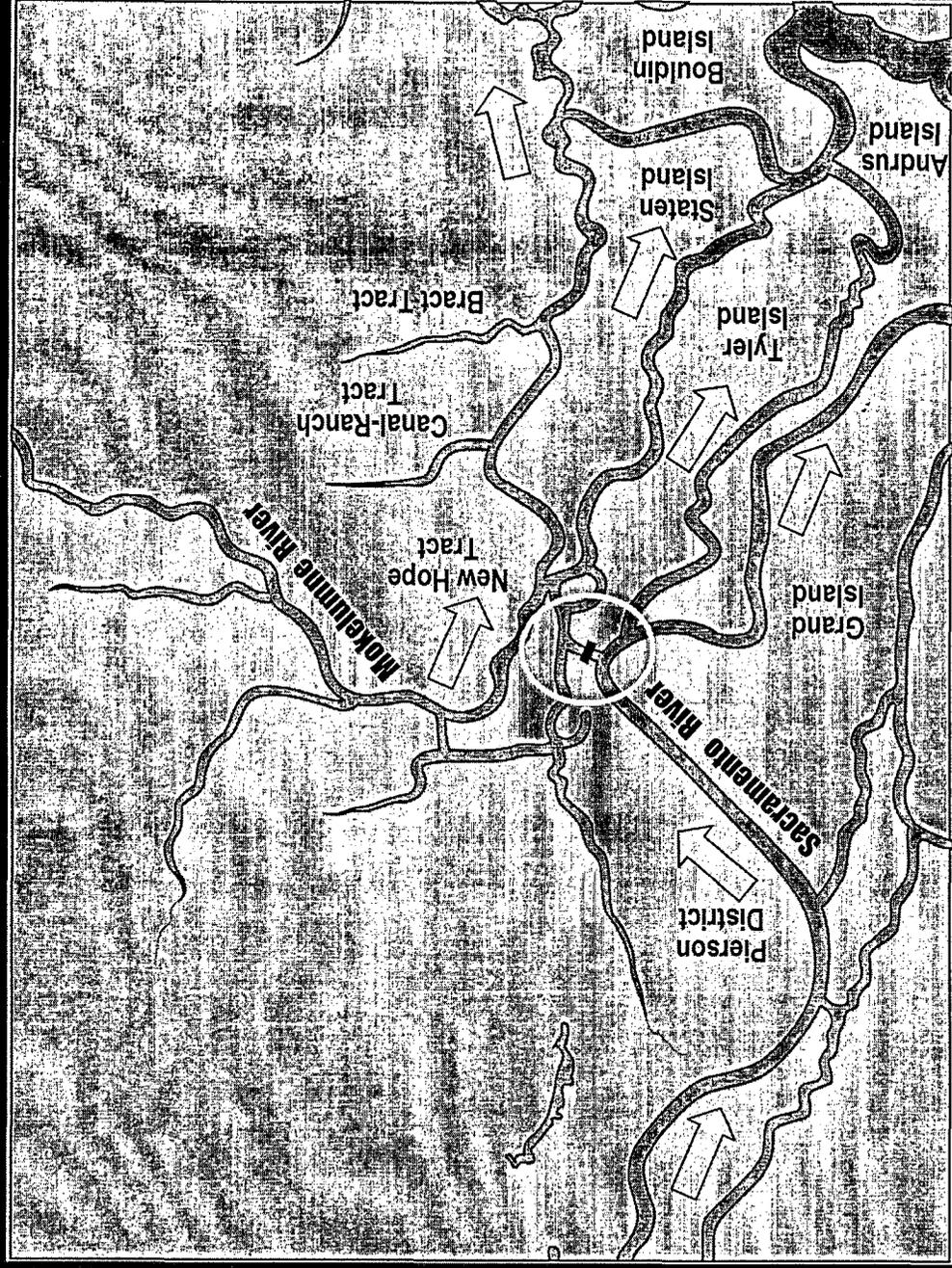
ISSUES

- ◆ Can the DCC be operated to provide additional fish protection while achieving CALFED's water quality goals?
- ◆ Can CALFED's Water Quality Program insure continuous water quality improvement without the Hood diversion?
- ◆ What water quality improvements and fisheries effects are associated with various levels of flow through a Hood diversion?
- ◆ Will a Hood diversion be more favorable for fish than a DCC reoperation?
- ◆ If the answers to these questions demonstrate a need for the Hood diversion, what size diversion facility can be built and operated in conjunction with the DCC to improve water quality without adversely affecting fish populations?



Anadromous Fish Downstream Migration Routes

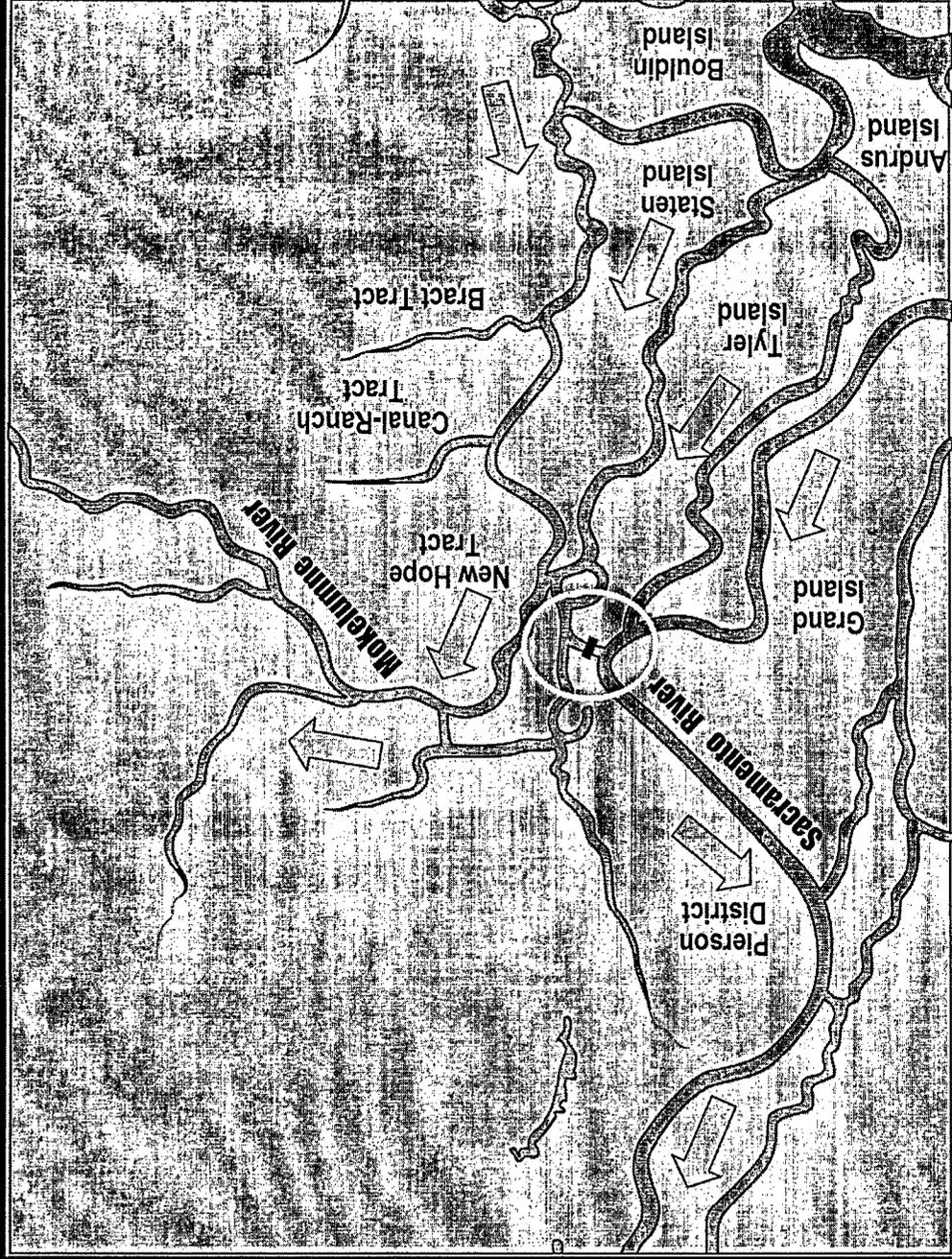
↑ = Water flow direction





Anadromous Fish Upstream Migration Routes

= Fish migration direction





Amadromous Fish Upstream Migration Routes

= Fish migration direction

